

OIEP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/710,239

DATE: 11/27/2000
 TIME: 14:01:10

Input Set : A:\seqlist.txt
 Output Set: N:\CRF3\11272000\I710239.raw

ENTERED 3-27-00



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 DEC 14 2000
 OIPE/JCWS

3 <110> APPLICANT: Chang, Robert C.
 4 Kivirikko, Kari I.
 5 Neff, Thomas B.
 6 Olsen, David R.
 7 Polarek, James W.
 9 <120> TITLE OF INVENTION: RECOMBINANT GELATINS
 11 <130> FILE REFERENCE: FG0219
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/710,239
 C--> 14 <141> CURRENT FILING DATE: 2000-11-10
 16 <160> NUMBER OF SEQ ID NOS: 33
 18 <170> SOFTWARE: PatentIn Ver. 2.0
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 54 <212> TYPE: DNA
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 61 <211> LENGTH: 39
 62 <212> TYPE: DNA
 63 <213> ORGANISM: human
 65 <400> SEQUENCE: 6
 66 tgctctagat cattaaagcat ctcccttggc accatccaa 39

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69 <211> LENGTH: 45
70 <212> TYPE: DNA
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78 <212> TYPE: DNA
79 <213> ORGANISM: human
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84 <210> SEQ ID NO: 9
85 <211> LENGTH: 39
86 <212> TYPE: DNA
87 <213> ORGANISM: human
89 <400> SEQUENCE: 9
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94 <212> TYPE: DNA
95 <213> ORGANISM: human
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101 <211> LENGTH: 64
102 <212> TYPE: DNA
103 <213> ORGANISM: human
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107 ccag 64
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112 <213> ORGANISM: human
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118 <211> LENGTH: 37
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133 <210> SEQ ID NO: 15
134 <211> LENGTH: 102
135 <212> TYPE: PRT
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142 Ala Pro Gly Pro Gln Gly Phe Gln Gly Pro Pro Gly Glu Pro Gly Glu
143           20           25           30
145 Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly Pro Pro
146           35           40           45
148 Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg Pro Gly
149           50           55           60
151 Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro Gly Thr
152   65           70           75           80
154 Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly Leu Asp
155           85           90           95
157 Gly Ala Lys Gly Asp Ala
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161 <210> SEQ ID NO: 16
162 <211> LENGTH: 261
163 <212> TYPE: PRT
164 <213> ORGANISM: human
166 <400> SEQUENCE: 16
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170 Ala Pro Gly Pro Gln Gly Phe Gln Gly Pro Pro Gly Glu Pro Gly Glu
171           20           25           30
173 Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly Pro Pro
174           35           40           45
176 Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg Pro Gly
177           50           55           60
179 Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro Gly Thr
180   65           70           75           80
182 Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly Leu Asp
183           85           90           95
185 Gly Ala Lys Gly Asp Ala Gly Pro Ala Gly Pro Lys Gly Glu Pro Gly
186           100          105          110
188 Ser Pro Gly Glu Asn Gly Ala Pro Gly Gln Met Gly Pro Arg Gly Leu
189           115          120          125
191 Pro Gly Glu Arg Gly Arg Pro Gly Ala Pro Gly Pro Ala Gly Ala Arg
192           130          135          140
194 Gly Asn Asp Gly Ala Thr Gly Ala Ala Gly Pro Pro Gly Pro Thr Gly
195 145           150          155          160
197 Pro Ala Gly Pro Pro Gly Phe Pro Gly Ala Val Gly Ala Lys Gly Glu
198           165          170          175
200 Ala Gly Pro Gln Gly Pro Arg Gly Ser Glu Gly Pro Gln Gly Val Arg
201           180          185          190
203 Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly Ala Ala Gly Pro Ala Gly

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204          195          200          205
206 Asn Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Ala Asn Gly Ala
207          210          215          220
209 Pro Gly Ile Ala Gly Ala Pro Gly Phe Pro Gly Ala Arg Gly Pro Ser
210 225          230          235          240
212 Gly Pro Gln Gly Pro Gly Gly Pro Pro Gly Pro Lys Gly Asn Ser Gly
213          245          250          255
215 Glu Pro Gly Ala Pro
216          260
219 <210> SEQ ID NO: 17
220 <211> LENGTH: 501
221 <212> TYPE: PRT
222 <213> ORGANISM: human
224 <400> SEQUENCE: 17
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226 1          5          10          15
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229          20          25          30
231 Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly Pro Pro
232          35          40          45
234 Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg Pro Gly
235          50          55          60
237 Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro Gly Thr
238 65          70          75          80
240 Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly Leu Asp
241          85          90          95
243 Gly Ala Lys Gly Asp Ala Gly Pro Ala Gly Pro Lys Gly Glu Pro Gly
244          100          105          110
246 Ser Pro Gly Glu Asn Gly Ala Pro Gly Gln Met Gly Pro Arg Gly Leu
247          115          120          125
249 Pro Gly Glu Arg Gly Arg Pro Gly Ala Pro Gly Pro Ala Gly Ala Arg
250          130          135          140
252 Gly Asn Asp Gly Ala Thr Gly Ala Ala Gly Pro Pro Gly Pro Thr Gly
253 145          150          155          160
255 Pro Ala Gly Pro Pro Gly Phe Pro Gly Ala Val Gly Ala Lys Gly Glu
256          165          170          175
258 Ala Gly Pro Gln Gly Pro Arg Gly Ser Glu Gly Pro Gln Gly Val Arg
259          180          185          190
261 Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly Ala Ala Gly Pro Ala Gly
262          195          200          205
264 Asn Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Ala Asn Gly Ala
265          210          215          220
267 Pro Gly Ile Ala Gly Ala Pro Gly Phe Pro Gly Ala Arg Gly Pro Ser
268 225          230          235          240
270 Gly Pro Gln Gly Pro Gly Gly Pro Pro Gly Pro Lys Gly Asn Ser Gly
271          245          250          255
273 Glu Pro Gly Ala Pro Gly Ser Lys Gly Asp Thr Gly Ala Lys Gly Glu
274          260          265          270
276 Pro Gly Pro Val Gly Val Gln Gly Pro Pro Gly Pro Ala Gly Glu Glu

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277          275          280          285
279 Gly Lys Arg Gly Ala Arg Gly Glu Pro Gly Pro Thr Gly Leu Pro Gly
280          290          295          300
282 Pro Pro Gly Glu Arg Gly Gly Pro Gly Ser Arg Gly Phe Pro Gly Ala
283 305          310          315          320
285 Asp Gly Val Ala Gly Pro Lys Gly Pro Ala Gly Glu Arg Gly Ser Pro
286          325          330          335
288 Gly Pro Ala Gly Pro Lys Gly Ser Pro Gly Glu Ala Gly Arg Pro Gly
289          340          345          350
291 Glu Ala Gly Leu Pro Gly Ala Lys Gly Leu Thr Gly Ser Pro Gly Ser
292          355          360          365
294 Pro Gly Pro Asp Gly Lys Thr Gly Pro Pro Gly Pro Ala Gly Gln Asp
295          370          375          380
297 Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Ala Arg Gly Gln Ala Gly
298 385          390          395          400
300 Val Met Gly Phe Pro Gly Pro Lys Gly Ala Ala Gly Glu Pro Gly Lys
301          405          410          415
303 Ala Gly Glu Arg Gly Val Pro Gly Pro Pro Gly Ala Val Gly Pro Ala
304          420          425          430
306 Gly Lys Asp Gly Glu Ala Gly Ala Gln Gly Pro Pro Gly Pro Ala Gly
307          435          440          445
309 Pro Ala Gly Glu Arg Gly Glu Gln Gly Pro Ala Gly Ser Pro Gly Phe
310          450          455          460
312 Gln Gly Leu Pro Gly Pro Ala Gly Pro Pro Gly Glu Ala Gly Lys Pro
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319          500
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323 <211> LENGTH: 59
324 <212> TYPE: PRT
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331 Pro Gly Pro Asp Gly Lys Thr Gly Pro Pro Gly Pro Ala Gly Gln Asp
332          20          25          30
334 Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Ala Arg Gly Gln Ala Gly
335          35          40          45
337 Val Met Gly Phe Pro Gly Pro Lys Gly Ala Ala
338          50          55
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342 <211> LENGTH: 101
343 <212> TYPE: PRT
344 <213> ORGANISM: human
346 <400> SEQUENCE: 19
347 Glu Ala Gly Leu Pro Gly Ala Lys Gly Leu Thr Gly Ser Pro Gly Ser
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VERIFICATION SUMMARY DATE: 11/27/2000
PATENT APPLICATION: US/09/710,239 TIME: 14:01:11

Input Set : A:\seqlist.txt
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date